



UIC 1774

Well located: 28 025N 051E

FORT PECK

POPLAR EAST, ROOSEVELT Co.

29-D

MT00024

2D

MT2024-00024

Copies of Checklist for Draft
and Final Permits

Letter of Authorization to
Inject, Copy of Permit,
Copy of Statement of Basis

Operator Reports (Monitoring,
MIT, Financial

FEB 26 1985

REF: 8WM-DW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Alvin W. Simpson
Manager of Operations
Murphy Oil, U.S.A., Inc.
200 Peach Street
El Dorado, Arkansas 71730

RE: UIC Permit Applications:
Wells - EPU 1-D, 5-D, 8-D, 29-D,
59-D and 80-D
East Poplar Field, Montana

Dear Mr. Simpson:

Your referenced permit applications contain numerous deficiencies, which to date, have not been adequately addressed. It is imperative that they be corrected and completed within fourteen (14) calendar days from the receipt of this letter, as we find no reason to allow further extensions of time. In essence, if the deficiencies are not corrected in the fourteen day period, your authorization to inject under 40 CFR 144.21 automatically expires, and any further injection into any of these wells will be unlawful. Thereafter, injection activities will only be allowed if: 1) complete applications are received, and 2) the wells are permitted.

Once an application is complete, processing time generally ranges from 50 to 70 days. Penalties for unauthorized injection are prescribed by the Safe Drinking Water Act (SDWA, P.L. 93-523, as amended) in Section 1423. In summary, they are: (a) civil penalties of up to \$5,000.00 per day per well, or, (b) in lieu of civil penalties, criminal penalties of up to \$10,000.00 per day per well. The importance of completing these applications should be obvious.

*Typo
corrected
before
mailing
LHC*

CONCURRENCES							
SYMBOL	8WM-DW	8WM-DW	8WM-DW	8WM-DW	8WM-DW		
SURNAME	Amell	Croft	Emert	FTLm-21	Frenelly		
DATE	2-22-85	2-22-85	2/22/85	2/25/85	2/25/85		

Attached are explanations of the remaining deficiencies. Those shown in Attachment I are common to each application. Those in Attachment II and III are specific for individual wells. If you have any questions or are uncertain about what is required, you should call the permit writer named on the well-specific list of deficiencies.

If it would be of help, you can arrange a meeting in our office by contacting the permit writers. Their phone numbers are included in the lists of deficiencies.

Sincerely,
ORIGINAL SIGNED BY
MAX H. DODSON

Max H. Dodson, Director
Water Management Division

LIUZZI/craig/02/05/85/0904P/page 1/draft
editing/02/06/85/campbell
editing/corrections/1st final print 02/06/85/craig
editing/2nd draft print/02/12/84/craig
editing/3rd draft print/02/12/85/campbell
editing/2nd final print/02/20/85/craig
editing/4rd draft print/02/22/85/campbell
editing/5th draft print/02/22/85/ehlert
editing/3rd final print/02/22/85/ehlert

Permit Modifications
Permit Reviews

Operator Reports (Monitoring,
Workovers, MIT, Financial
Res., P&A plan updates, etc.

NAME AND ADDRESS OF EXISTING PERMITTEE

NAME AND ADDRESS OF SURFACE OWNER

Zimmerman, Inc.
P.O. Box 277
Poplar, MT 59255

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

STATE

COUNTY

MT

Roosevelt

PERMIT NUMBER

MT521 PE-0024

SURFACE LOCATION DESCRIPTION

1/4 OF SW 1/4 OF SW 1/4 SECTION 28 TOWNSHIP 29N RANGE 51E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface
Location 660 ft. from (N/S) S Line of quarter section
and 660 ft. from (E/W) W Line of quarter section

WELL ACTIVITY	TYPE OF PERMIT
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☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

☒ Individual
☐ Area
 Number of Wells _____

Lease Name	East Poplar Unit	Well Number	29-D
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INJECTION PRESSURE

TOTAL VOLUME INJECTED

TUBING — CASING ANNULUS PRESSURE
(OPTIONAL MONITORING)

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
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NO WATER DISPOSED OF IN THIS WELL DURING 1987

WELL P & A - OCTOBER 5, 1987

NO FURTHER REPORTS TO BE SUBMITTED ON THIS WELL

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

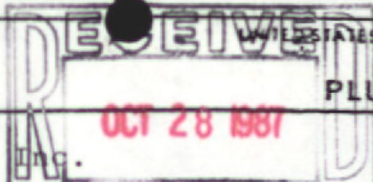
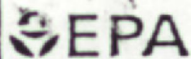
Raymond Reede
Production Manager

SIGNATURE

Raymond Reede

DATE SIGNED _____

1-13-88



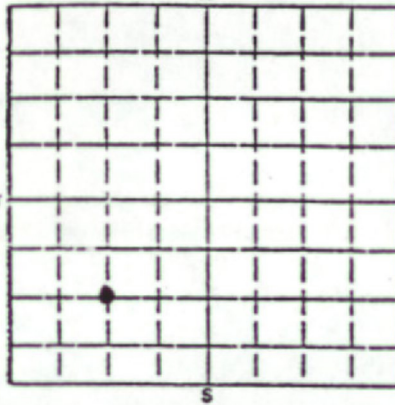
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 WASHINGTON, DC 20460
PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE
 Murphy Oil USA,
 P.O. Box 547
 Poplar, MT 59255

NAME AND ADDRESS OF CEMENTING COMPANY
 Halliburton Company
 P.O. Drawer 1431
 Duncan, OK 73536

EPA REGION VII
 DRINKING WATER BRANCH

LOCATE WELL AND OUTLINE UNIT ON
 SECTION PLAT - 640 ACRES



STATE MT COUNTY ROOSEVELT PERMIT NUMBER

SURFACE LOCATION DESCRIPTION
 W OF SW W OF SW W SECTION 28 TOWNSHIP 29N RANGE 51E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 660 ft. from (N/S) S Line of quarter section
 and 660 ft. from (E/W) W Line of quarter section

TYPE OF PERMIT

☒ Individual
☐ Area

Number of Wells 1

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

The cement was mixed at surface

and pumped down 2-7/8" tubing

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	PUT IN WELL (FT)	LEFT IN WELL (FT)	HOLE SIZE
13-3/8	48#		156.45	17 1/2
9-5/8	36#		996.44	12 1/4
5-1/2	15.5#		3888	8-3/4

WELL ACTIVITY

METHOD OF EMPLACEMENT OF CEMENT PLUGS

☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

☒ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method

Lease Name EPU

Well Number 29-D

CEMENTING TO PLUG AND ABANDON DATA

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date October 5, 1987							
Size of Hole or Pipe in which Plug Placed (inches)	9-5/8	9-5/8					
Depth to Bottom of Tubing or Drill Pipe (ft.)	803	80					
Sacks of Cement Used (each plug)	50	25					
Slurry Volume Pumped (cu. ft.)	57.5	28.75					
Calculated Top of Plug (ft.)	803	14					
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type Cement							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From	To	From	To
853	887		

Signature of Cementer or Authorized Representative

Signature of EPA Representative

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

NAME AND OFFICIAL TITLE (Please type or print)

Raymond Reede
 District Production Manager

SIGNATURE

Raymond Reede

DATE SIGNED

October 26, 1987



As consideration, the above-named Customer agrees to pay MailBurgon in accord with the rates and terms listed in MailBurgon's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice was mailed, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 10% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

MailBoutique warrants only little to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATE PRECEDING SENTENCE. MailBoutique's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement, repair, or refund, at MailBoutique's option, to the allowance to the customer of credit for the cost of such items. In no event shall MailBoutique be liable for any special, incidental, indirect, punitive or consequential damages.

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.	B-462050	3829	42
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CUSTOMER OR HIS AGENT (SIGNATURE)

TOTAL

HALLIBURTON OPERATOR

CUSTOMER

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

PAGE NO.

DATE 10-5-87

• OMM 2013 R-2

CUSTOMER

2.

JOB LOG

WELL NO. 27

LEASE East Rock 6.7

TICKET NO. 30287

CUSTOMER

PAGE NO.

JOB TYPE

DATE

FORM 2013 R-2

CHART NO.	TIME	RATE (GPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							on line Rigup
	0727					1250		first job
	0732	2	5			250		cut 5' rate
	0735	2	10			150		cut 5' (57.5 ft ³)
	0740	2	5			150		down / push
	0745							T.C.H. laying down
	0830							Set surf plug @ 60'
	0832	2	5			50		Push
	0835	2	5			50		cut 25' (29 ft ³)
	0837	2	1			50		down
	0838							Job Complete
								Thank you

CUSTOMER

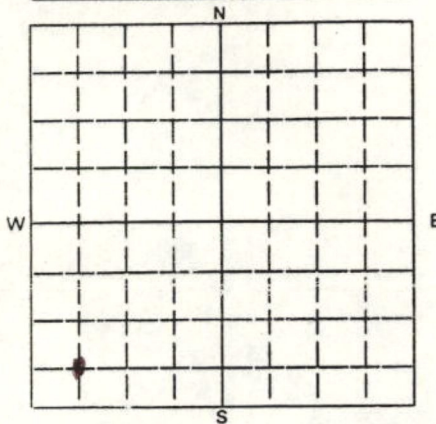
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF EXISTING PERMITTEE

Murphy Oil USA, Inc.
P.O. Box 547
Poplar, MT 59255

NAME AND ADDRESS OF SURFACE OWNER

Zimmerman Inc.
P.O. Box 277
Poplar, MT 59255LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

STATE

MT

COUNTY

Roosevelt

PERMIT NUMBER

MTS21PE-0024

SURFACE LOCATION DESCRIPTION

¼ OF SW ¼ OF SW ¼ SECTION 28 TOWNSHIP 29N RANGE 51E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

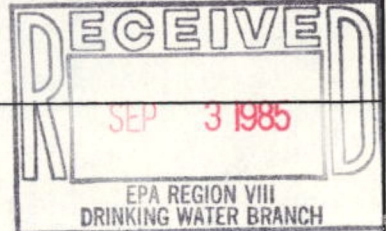
Surface Location 660 ft. from (N/S) S Line of quarter sectionand 660 ft. from (E/W) W Line of quarter section

WELL ACTIVITY

TYPE OF PERMIT

- ☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

- ☐ Individual
☐ Area
 Number of Wells 1

Lease Name East Poplar Unit Well Number 29-D

INJECTION PRESSURE

TOTAL VOLUME INJECTED

TUBING — CASING ANNULUS PRESSURE
(OPTIONAL MONITORING)

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
8-84		600	600	44,587		0	0
9-84		600	600	87,671		0	0
10-84		600	610	107,181		0	0
11-84		600	600	104,322		0	0
12-84		600	600	111,861		0	0
1-85		600	600	111,735		0	0
2-85		600	610	97,464		0	0
3-85		600	600	121,918		0	0
4-85		580	580	147,215		0	0
5-85		580	580	118,634		0	0
6-85		580	580	113,020		0	0
7-85		560	560	127,128		0	0

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

Raymond Reede
District Superintendent

SIGNATURE

DATE SIGNED

8/27/85

Casing/Tubing Annulus
Pressure Test

Name of Company: Murphy Oil Corporation Date: 9/27/85

Name of Well: #29-D Welch Permit No.: _____

Name of Field East Poplar County: Roosevelt

Location of Well: SW 1/4 SW 1/4 Sec. 28 T-29N R-51E

Type of Well: SWD X ER _____ Total Depth: 5875 Ft.

Type of Packer: Baker Model "AD-1"

Packer Setting Depth: 766

Surface Casing Size: 13 3/8 From: 0 Ft. To 162 Ft.

Casing Size: 9 5/8 From: 0 Ft. To 1002 Ft.

Tubing Size: 2 7/8 Amount: 766

Time of Test: 12:25 PM Pressure Gauge Reading:

0 Min:

_____ Could not obtain pressure.
Casing leak.
_____ Ray Reede notified.

5

10

15

20

25

30

35

40

45

50

55

60

Failed Test
WE Engle

Inspected by: _____

James Rowe
James Rowe

EPA

RECEIVED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

PLUGGING RECORD

Enter
EPA Approval
8/5/87

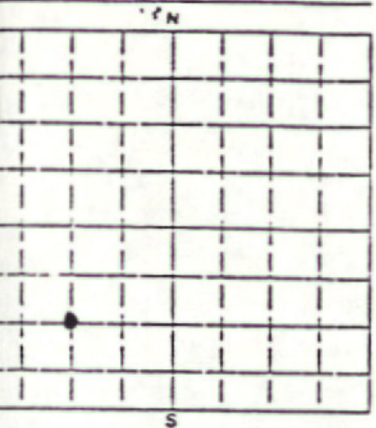
NAME AND ADDRESS OF PERMITTEE
Murphy Oil USA,
P.O. Box 547
Poplar, MT 59255

OCT 28 1987

EPA REGION VII
DRINKING WATER BRANCH

NAME AND ADDRESS OF CEMENTING COMPANY
Halliburton Company
P.O. Drawer 1431
Duncan, OK 73536

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT - 640 ACRES



STATE MT	COUNTY ROOSEVELT	PERMIT NUMBER
SURFACE LOCATION DESCRIPTION W OF SW W OF SW W SECTION 28 TOWNSHIP 29N RANGE 51E		
LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location 660 ft. from (N/S) S Line of quarter section and 660 ft. from (E/W) W Line of quarter section		
TYPE OF PERMIT <input checked="" type="checkbox"/> Individual <input type="checkbox"/> Area	Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole The cement was mixed at surface and pumped down 2-7/8" tubing	
Number of Wells 1		

CASING AND TUBING RECORD AFTER PLUGGING			
WT(LB/FT)	PUT IN WELL (FT)	LEFT IN WELL (FT)	MOLE SIZE
3/8 48#		156.45	17 1/2
5/8 36#		996.44	12 1/2
1/2 15.5#		3888	8-3/4

WELL ACTIVITY	METHOD OF EMPLACEMENT OF CEMENT PLUGS
<input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage	<input checked="" type="checkbox"/> The Balance Method <input type="checkbox"/> The Dump Bailer Method <input type="checkbox"/> The Two-Plug Method
Lease Name EPU	Well Number 29-D

CEMENTING TO PLUG AND ABANDON DATA		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Plugging Date	October 5, 1987							
Hole or Pipe in which Plug Placed (inches)		9-5/8	9-5/8					
to Bottom of Tubing or Drill Pipe (ft.)		803	80					
if Cement Used (each plug)		50	25					
Volume Pumped (cu. ft.)		57.5	28.75					
Set Top of Plug (ft.)		803	14					
Set Top of Plug (if tagged ft.)								
Mt (Lb/Gal)								
Cement								

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS			
From	To	From	To
853	887		

Signature of Cementer or Authorized Representative	Signature of EPA Representative
--	---------------------------------

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Signature and Title (Please type or print) Raymond D. Reede District Production Manager Phone 7520-13 (1-84)	SIGNATURE Raymond D. Reede	DATE SIGNED October 26, 1987
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NO. 362834-☒X

PAGE 1 OF 2 PAGES

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists, invoices payable NET by the 10th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATE PRECEDING SENTENCE. Halliburton's liability to and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.		B-402050	3829	42
S JOB SATISFACTORILY COMPLETED? _____		TAX REFERENCES Book Price = SUB TOTAL TAX TAX TAX TOTAL	5001	12
S OPERATION OF EQUIPMENT SATISFACTORY? _____				
S PERFORMANCE OF PERSONNEL SATISFACTORY? _____				
<i>Gerald Haggblade</i> CUSTOMER OR HIS AGENT (PLEASE PRINT)				
<i>Gerald Haggblade</i> CUSTOMER OR HIS AGENT (SIGNATURE)				
		<i>Gerald Haggblade</i> HALLIBURTON OPERATOR		

CUSTOMER

JOB LOG

FORM 2013 R-1

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
37	1130							0:12 LUC
	1135							FEW STARTED IN HOLE
	1150							Set 1521 - 11 2907'
	1200							Released For The Day
37	1200							12:00 LUC
	0710							String out + Rig UP ON WELL
	0730							String in getting into Rate
	0740							MIX 1 DISPLACE CND
	0750							String out + Took
	0845							Job complete

CUSTOMER

JOB LOG

WELL NO. 27

LEASE 2-17-1977

TICKET NO. 312514

CUMER

11-1-77

PAGE NO.

JOB TYPE

27H

DATE

10-6-87

FORM 1013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							on line Rigup
	0737					1250		1st job
	0732	2	5			250		cut 1st bit
	0735	2	10			150		cut 5' ex (575 ft)
	0740	2	5			150		down / push
	0745							T.C.H. 1st job
	0830							Set 5' ex plug 5' 62'
	0830	2	5			50		Push
	0835	2	5			50		cut 25' ex (29 ft)
	0837	2	1			50		down
	0838							Set 1st bit
								Frank
								1st job

CUSTOMER